

SG-608

Dedicated to Supply Chain Warehousing



lot Handheld Terminal

6.0-inch HD screen · High-speed octa-core · 4G full Netcom

Revolutionize your mobile workflow with this All-in-One Rugged Android PDA featuring a built-in 80mm thermal printer. Unlike standard 58mm devices, it supports wider receipt and label printing for clearer data presentation. Integrated with a professional 2D scan engine, 6-inch HD screen, and IP66 rugged protection, it's built for demanding warehouse and field service environments. Stay connected with 4G LTE, NFC, and dual-band WiFi—the ultimate tool for heavy-duty logistics and smart retail.

Product Specifications

Performance

Octa-core	
CPU	8-core 64-bit 2.0GHz
RAM+ROM	4GB + 128GB
System	Android 12

Data Communication

WIFI	Wi-Fi 802. 11a/b/g/n/r/ac (2. 4G+5G Dual-band Wi-Fi)
WWAN	2G (GSM) : 2G :B2/B3/B5/B8
	3G (WCDMA) :B1 /B5/B8
	4G(FDD-LTE):B1/B3/B5/B7/B8/B20 4G (TDD-LTE) :B34/B38/B39 /B40/B41
Bluetooth	Support Bluetooth5.0+BLE,transmission distance 5-10 meters
GNSS	GPS/AGPS/Beidou/Galileo/GL ONASS/QZSS

Physical Specifications

Dimensions	240*85*70mm
Weight	508g(battery included)
Display	6.0-inch IPS screen, resolution 720 x1440 pixs
TP	Industrial grade full screen capacitive screen
Battery capacity	2800mAh/7.4V (detachable)
	Standby time > 300 hours
	Working time > 12 hours
	Charging time 3-4 hours (with standard adapter and cable)
	Built-in polymer lithium-ion battery
Expansion Card slot	Micro SIM x2, TF x1, PSAM x2
Communication interface	Type-C 2.0 USBx1,Support OTG function
Audio	Speaker (mono), microphone, receiver
Keypad	Home, Delete, Back, Confirm Silicone keys: Power, Volume +/-, Scan x2
Sensors	Gravity sensor, light sensor, proximity sensor, vibration motor

Language/Input Method

Input	English, Pinyin, Five strokes, Handwriting input, Support soft keypad
Language	Chinese, English, Korean, Japanese, Malaysian,etc.

Data Collection

Barcode Scanning (Standard)	
2D Scanning engine	Honeywell N5703, N6703, 6602
1D Symbologies	Support UPC/EAN, Code129, code39, code11, cross 25 code, codabar, MSI, etc.
2D Symbologies	Supports QR, PDF417, Mirco QR, RSS, Aztec, Maxicode, etc.

Camera (Standard)

Rear camera	13MP HD camera, auto focus, flash, anti-shake, macro shooting
Front camera	2MP color camera

NFC (Standard)

Frequency	13.56MHz
Protocol	Support ISO14443A/B, 15693 agreement
Distance	2cm-5cm

Fingerprint (Optional)

UHF RFID (Optional)

Thermal Sticker Printer (Standard)

printing method	Built-in line thermal printer
Print width	80mm
rint type	Text/image/barcode/QR code
sensor	Black mark/out of paper/overheating and overvoltage
Paper Type	Supports sticker/label black mark printing

User Environment

Operating temperature	-20°C - 50°C
Storage temperature	-40°C - 70°C
Environment humidity	0~95%RH (no condensation)
Environment humidity	temperature range, 6 sides can withstand a height of 1.5 meters,falling to the marble.
Rolling test	0.5m continuous rolling, 1000 times
Sealing	IP66

Accessories

Standard	Box*1, machine*1, USB data cable*1, Instruction manual*1, charger*1, thermal printing paper*1, Wristband*1,
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